



Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at <http://about.jstor.org/participate-jstor/individuals/early-journal-content>.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

INDEX TO AMERICAN BOTANICAL LITERATURE

1912-1916

The aim of this Index is to include all current botanical literature written by Americans, published in America, or based upon American material; the word America being used in the broadest sense.

Reviews, and papers that relate exclusively to forestry, agriculture, horticulture, manufactured products of vegetable origin, or laboratory methods are not included, and no attempt is made to index the literature of bacteriology. An occasional exception is made in favor of some paper appearing in an American periodical which is devoted wholly to botany. Reprints are not mentioned unless they differ from the original in some important particular. If users of the Index will call the attention of the editor to errors or omissions, their kindness will be appreciated.

This Index is reprinted monthly on cards, and furnished in this form to subscribers at the rate of one cent for each card. Selections of cards are not permitted; each subscriber must take all cards published during the term of his subscription. Correspondence relating to the card issue should be addressed to the Treasurer of the Torrey Botanical Club.

Alderwerelt, C. R. W. K. van. The Amboina Pteridophyta collected by C. B. Robinson. *Philip. Jour. Sci.* **11**: (Bot.) 101-123. *pl.* 5, 6. My 1916.

Eight new species are described.

Andrews, E. C. The geological history of the Australian flowering plants. *Am. Jour. Sci.* **23**: 171-232. S 1916.

Bakke, A. L., & Livingston, B. E. Further studies on foliar transpiring power in plants. *Physiol. Researches* **2**: 51, 52. J1 1916.

Beccari, O. The palms indigenous to Cuba, I. *Pomona College Jour. Econ. Bot.* **2**: 253-276. *f.* 109-118. My 1912;—II. *Pomona College Jour. Econ. Bot.* **2**: 351-377. *f.* 144-153. D 1912;—III. *Pomona College Jour. Econ. Bot.* **3**: 392-417. *f.* 154-172. F 1913. Includes *Oreodoxa princeps* sp. nov.

Benedict, R. C. An Adirondack fern list. *Am. Fern Jour.* **6**: 81-85. S 1916.

Berry, E. W. A fossil nutmeg from the Tertiary of Texas. *Am. Jour. Sci.* **23**: 241-245. *f.* 1-6. S 1916.
Myristica catahouleensis sp. nov. is described.

- Boerker, R. H.** A historical study of forest ecology; its development in fields of botany and forestry. *Forest. Quart.* **14**: 380-432. S 1916.
- Britton, N. L.** The rose garden plans. *Jour. N. Y. Bot. Gard.* **17**: 111-115. *pl.* 175-177. 12 S 1916.
- Burnham, S. H.** The ferns of the Lake George flora, New York. *Am. Fern Jour.* **6**: 85-90. S 1916.
- Buscalioni, L., & Muscatello, G.** Studio monografico sulle specie americane del Gen. "*Surauia*" Willd. *Malpighia* **24**: 381-412. 1912; **25**: 1-16. 1912; 103-118. 1912; 187-250. 1912; 389-436. 1913; **26**: 1-32. 1913; 97-144. 1913; 281-312. 1913; 389-420. 1913; **27**: 1-32. 1915; 127-158. 1916.
- Buscalioni, L., & Muscatello, G.** Studio anatomo-biologico sul Gen. "*Saurauia*" Willd. con speciale riguardo alle specie americane. *Malpighia* **26**: 49-56. 1913; 261-276. 1913; 313-328. 1913; 421-452. 1913; **27**: 33-48. 1915; 159-190. 1916.
- Campbell, D. H.** Plant distribution in California. *Sci. Mo.* **2**: 215-225. *f.* 1-13. Mr 1916.
- Chien, S. S.** Two Asiatic allies of *Ranunculus pensylvanicus*. *Rhodora* **18**: 189, 190. 1S 1916.
Ranunculus brachyrhynchus and *R. arcuans*, spp. nov.
- Chodat, R.** Les espèces du genre *Prosopanche*. *Bull. Soc. Bot. Genève* II. **7**: 1, 2. 1915.
- Chodat, R.** Notes biologiques sur les Broméliacées. *Bull. Soc. Genève* II. **7**: 12, 13. 1915.
- Cockerell, T. D. A.** Collarette flowers. *Jour. Heredity* **7**: 428-431. *f.* 18-20. S 1916.
- Cooper, W. S.** Plant succession in the Mount Robson region, British Columbia. *Plant World* **19**: 211-238. *f.* 1-8. Au 1916.
- Cosens, A., & Sinclair, T. A.** Aeriferous tissue in willow galls. *Bot. Gaz.* **62**: 210-225. *pl.* 2-4 + *f.* 1-5. 15 S 1916.
- Detwiler, S. B.** Shortleaf pine. Identification and characteristics. *Am. Forest.* **22**: 513-517. S 1916. [Illust.]
- Eggleston, W. W.** Additions and corrections to the new Vermont flora. *Vermont Bot. & Bird Clubs Joint Bull.* **2**: 9-13. Ap 1916.
- Faull, J. H.** *Chondromyces Thaxteri*, a new Myxobacterium. *Bot. Gaz.* **62**: 226-232. *pl.* 5, 6. 15 S 1916.

- Fedde, F.** Neue Arten aus der Verwandtschaft der *Corydalis aurea* Willd. von Nord-Amerika.—IX. Repert. Sp. Nov. **12**: 37–39. 20 Mr 1913.
Includes *Corydalis pachyloba* sp. nov.
- Fenn, W. O.** Salt antagonism in gelatine. Proc. Nat. Acad. Sci. **2**: 534–538. f. 1–3. S 1916.
- Fenn, W. O.** Similarity in the behavior of protoplasm and gelatine. Proc. Nat. Acad. Sci. **2**: 539–543. f. 1. S 1916.
- Fernald, M. L.** The representatives of *Trisetum spicatum* in eastern America. Rhodora **18**: 195–198. 1 S 1916.
- Flynn, N. F.** One afternoon's botanizing. Vermont Bot. & Bird Club Joint Bull. **2**: 19. Ap 1916.
- Ford, W. W.** Plant poisons and their antibodies. Centralb. Bakt. Erste Abt. **58**: 129–162. 4 Jl 1913; 193–222. 11 Jl 1913.
- Fromme, F. D.** Facultative heteroecism (?) of *Peridermium harknessii* and *Cronartium quercus*. Phytopathology **6**: 411, 412. O 1916.
- Frost, W. D., & Bachmann, F.** Another use of the double-plate method. Science II. **44**: 433, 434. f. 1, 2. 22 S 1916.
- Gates, R. R.** On the mendelian interpretation of *Oenothera* crosses. Rhodora **18**: 198–201. 1 S 1916.
- Graff, P. W.** Philippine Basidiomycetes—II. Philip. Jour. Sci. **9**: (Bot.) 235–254. pl. 2. 1914.
Includes new species in *Lepiota*, *Tricholoma*, *Lentinus*, *Agaricus*, *Stropharia*, and *Coprinus*.
- Gregory, C. T.** Studies on *Plasmopara viticola*. Rep. Internat. Cong. Viticulture **1915**: 126–150. pl. 1–5. San Francisco. Je 1916.
- Harper, R. M.** The fern grottoes of Citrus County, Florida. Am. Fern Jour. **6**: 68–81. pl. 5. S 1916.
- Harper, R. M.** An overlooked environmental factor for species of *Prunus*. Rhodora **18**: 201–203. 1S 1916.
- Harris, J. A., & Lawrence, J. V.** The cryoscopic constants of expressed vegetable saps as related to local environmental conditions in the Arizona deserts. Physiol. Researches **2**: 1, 2. Jl 1916.
Abstract.
- Hibbard, R. P., & Harrington, O. E.** Depression of the freezing-point in triturated plant tissues and the magnitude of this depression as related to soil moisture. Physiol. Researches **1**: 441, 442. Au 1916.

- Higgins, D. F.** The white-barked pine. Jour. Heredity 7: 399-401. f. 5, 6. S 1916.
- Hotson, J. W.** The longevity of *Bacillus amylovorus* under field conditions. Phytopathology 6: 400-408. f. 1-4. O 1916.
- Howe, I. A.** Botanizing in St. Johnsbury in 1915. Vermont Bot. & Bird Club Joint Bull. 2: 21, 22. Ap 1916.
- Jones, L. R., Johnson, A. G., and Reddy, C. S.** Bacterial blights of barley and certain other cereals. Science II. 44: 432, 433. 22 S 1916.
- Johnston, J. R.** Phytopathological work in the tropics. Phytopathology 6: 381-386. O 1916.
- Kurtz, F.** Essai d'une bibliographie botanique de l'Argentine. Bol. Acad. Nac. Cien. Cordoba 16: 117-272. 1900.
- Lazenby, W. R.** Qualities and uses of the woods of Ohio. Ohio Biol. Surv. 2: 75-111. f. 1-18. Ja 1916.
- Leighty, C. E.** Carman's wheat-rye hybrids. Jour. Heredity 7: 420-427. f. 14-17. S 1916.
- Link, G. K. K.** A physiological study of two strains of *Fusarium* in their causal relation to tuber rot and wilt of potato. Bot. Gaz. 62: 169-209. f. 1-13. 15 S 1916.
- Lipman, C. B.** A critique of the hypothesis of the lime-magnesia ratio. I. Plant World 19: 83-105. Ap 1916. II. Plant World 19: 119-135. My 1916.
- Löhnis, F., & Smith, N. R.** Life cycles of the bacteria. Jour. Agr. Research 6: 675-702. pl. A-G + f. 1. 31 Jl 1916.
- Lorenz, A.** Additions to the Vermont hepatic list for 1915. Vermont Bot. & Bird Club Joint Bull. 2: 13, 14. Ap 1916.
- Lunell, J.** Enumerantur plantae Dakotae septentrionalis vasculares—VII. Am. Mid. Nat. 4: 419-431. 26 Jl 1916;—VIII. Am. Mid. Nat. 4: 467-487. S 1916.
- MacDougal, D. T.** Imbibitional swelling of plants and colloidal mixtures. Science II. 44: 502-505. 6 O 1916.
- Manns, T. F., & Taubenhaus, J. J.** Streak: a bacterial disease of the sweet pea and clovers. Gard. Chron. III. 53: 215, 216. f. 96, 97. 5 Ap 1913.

- Marsh, C. D., Clawson, A. B., & Marsh, H.** Larkspur poisoning of live stock. U. S. Dept. Agr. Bull. 365: 1-90. *pl.* 1-15 + *f.* 1-12. 8 S 1916.
- Matz, J.** A method to induce sporulation in cultures of *Botryosphaeria berengeriana*. Phytopathology 6: 387-389. *f.* 1. O 1916.
- Maxon, W. R.** Notes on American ferns—X. Am. Fern Jour. 6: 65-68. S 1916.
- Maza, M. G. de la.** Determinacion de plantas cubanas fanerogamas. An. Acad. Cie. Habana 49: 556-613. 1912; 895-910. 1913.
- Meinecke, E. P.** Forest pathology in forest regulation. U. S. Dept. Agr. Bull. 275: 1-62. 7 Ap 1916.
- Merrill, E. D.** New or interesting Philippine Vitaceae. Philip. Jour. Sci. 11: (Bot.) 125-145. My 1916.
Fourteen new species are described.
- Morse, W. J.** Further observations relative to the ability of the apple scab fungus to live over winter on young twigs. Maine Agr. Exp. Sta. Bull. 252: 191, 192. My 1916.
- Morse, W. J.** Two apple-leaf troubles new to Maine. Maine Agr. Exp. Sta. Bull. 252: 186-190. *f.* 26, 27. My 1916.
Chlorosis and silver leaf.
- Nelson, A.** The trend and influence of certain phases of taxonomy. Science II. 39: 921-927. 26 Je 1914.
- Nieuwland, J. A.** Cleistogamous flowers in the pansies. Am. Mid. Nat. 4: 464-466. 26 Jl 1916.
- Nieuwland, J. A.** Cleistogamy in *Cubelium*. Am. Mid. Nat. 4: 501, 502. S 1916.
- Nieuwland, J. A.** Critical notes on new and old genera of plants—VI. Am. Mid. Nat. 4: 333-335. Ja 1916.
- Nieuwland, J. A.** Proliferation in *Calendula*. Am. Mid. Nat. 4: 502. S 1916.
- Norton, J. B. S.** Some Maryland woodland plants for spring study. Maryland Agr. College Bull. 3³: 1-29. *pl.* 1-10. Mr 1907.
- Osterhout, W. J. V.** Antagonism and Weber's law. Science II. 44: 318-320. 1 S 1916.
- Osterhout, W. J. V.** The penetration of balanced solutions and the theory of antagonism. Science II. 44: 395, 396. 15 S 1916.

- [Popenoe, P.] Pollination in the pine. Jour. Heredity 7: 402-405. f. 7-10. S 1916.
- Quehl, L. Bermerkungen über einige arten von Mamillarien aus der Untergattung *Coryphantha* Engelm. Reihe *Aulacothele* Lem. Monats. Kakteenk. 22: 67, 68. 15 My 1912.
- Reddick, D. Powdery mildew of grapes and its control in the United States. Rep. Internat. Cong. Viticulture 1915: 117-125. Je 1916.
- Reed, G. B. The mode of action of plant peroxidases. Bot. Gaz. 62: 233-238. f. 1, 2. 15 S 1916.
- Rodrigues, J. B. Myrtacées du Paraguay recueillies par Mr. le Dr. Emile Hassler. 1-20. pl. 1-26. 1903.
- Rodrigues, J. B. L'Uiraêry et de son emploi. 1-180. pl. 1-7. 1903.
- Rolfe, R. A. *Acacallis cyanea*. Curt. Bot. Mag. IV. 12: pl. 8678. S 1916.
A plant of the upper Amazon.
- Rübel, E. Die internationale pflanzengeographische Exkursion durch Nordamerika 1913. Actes Soc. Helvétique Sci. Nat. 97²: 59-87. f. 1-20. 1915.
- Rusby, H. H. Floral features of the American equatorial belt. Jour. N. Y. Bot. Gard. 17: 115-140. 12 S 1916.
- Scheppegegrell, W. Hay fever and its prevention. U. S. Public Health Serv. Reprint 349: 1-13. f. 1-16. 21 J1 1916. [Illust.]
- Schmitz, H. Some observations on witches-brooms of cherries. Plant World 19: 239-242. Au 1916.
- Schneider, A. A parasitic Saccharomycete of the tomato. Phytopathology 6: 395-399. f. 1-4. O 1916.
- Shreve, E. B. An analysis of the cause of variations in the transpiring power of Cacti. Physiol. Researches 2: 73-127. f. 1-10. S 1916.
- Schröter, K. Ueber neuere pflanzengeographische Forschungen in Nordamerika. Actes Soc. Helvétique Sci. Nat. 97²: 213, 214. 1915.
- Sinnott, E. W. The evolution of herbs. Science II. 44: 291-298. 1 S 1916.
- Stephani, F. Species Hepaticarum 3: 517-693. 1909.
Includes new American species in *Mastigobryum* (13), *Micropterygium* (2), *Psiloclada* (1), *Lepidozia* (34), *Blepharostoma* (1), and *Isotachis* (13). Issued as Compl. Bull. Herb. Boissier.

- Stephani, F.** Species Hepaticarum 4: 1-824. 1909-1912.
Includes new American species in *Schisma* (22), *Trichocolea* (13), *Schistochila* (5), *Balantiopsis* (5), *Diplophyllum* (1), *Scapania* (1), *Radula* (25), *Madotheca* (14), *Frullania* (113), *Jubula* (1), *Pellolejeunea* (1), *Archilejeunea* (10), *Leucolejeunea* (2), and *Mastigolejeunea* (4). Issued as Compl. Bull. Herb. Boissier.
- Stevenson, J. J.** The formation of coal beds.—III. Proc. Am. Phil. Soc. 51: 423-553. 13 D 1912;—IV. Proc. Am. Phil. Soc. 52: 31-162. 19 My 1913.
- Taubenhaus, J. J., & Manns, T. F.** Diseases of the sweet pea. Gard. Chron. III. 54: 21-25. f. 8-19. 12 Jl 1913.
- Tisdale, W. H.** A *Melanconium* parasitic on tomato. Phytopathology 6: 390-394. f. 1-3. O 1916.
- Tisdale, W. H.** Relation of soil temperature to infection of flax by *Fusarium lini*. Phytopathology 6: 412, 413. O 1916.
- Townsend, C. H.** Voyage of the "Albatross" to the gulf of California in 1911. Am. Mus. Nat. Hist. Bull. 35: 399-476. f. 1-45. 2 Au 1916.
Contains information of a botanical nature.
- Townsend, C. W.** The old stumps at Blanc Sablon. Rhodora 18: 185-188. 1 S 1916.
- Trabut, L.** Pyronia. Jour. Heredity 7: 416-419. f. 12, 13. S 1916.
A hybrid between the pear and quince.
- Urban, I.** Sertum antillarum.—II. Repert. Sp. Nov. 13: 465-484. 1 Ap 1915.
Includes twenty-two new species and one new genus.
- Victorin, M.** La flore du Temiscouata. [1-127.] Quebec. 1916.
Reprinted for the "Naturaliste Canadien" with separate pagination.
- Vischer, W.** Zur Biologie einiger paraguayischer Bromeliaceen. Actes Soc. Helvétique Sci. Nat. 97²: 211. 1915.
- Waksman, S. A.** Do fungi live and produce mycelium in the soil? Science II. 44: 320-322. 1 S 1916.
- Weatherby, C. A., & Blake, S. F.** *Galium pilosum* and its varieties. Rhodora 18: 190-195. 1 S 1916.
- Weir, J. R.** *Phacidium infestans* on western conifers. Phytopathology 6: 413, 414. O 1916.
- Weir, J. R.** *Pinus ponderosa* and *P. jeffreyi*, hosts for *Razoumofskya americana*. Phytopathology 6: 414. O 1916.

- Wernham, H. F.** New Rubiaceae from tropical America—V. Jour. Bot. **52**: 313-316. D 1914.
- Wheeler, L. A.** Notes on the plants of the West river valley. Vermont Bot. and Bird Club Joint Bull. **2**: 17. Ap 1916.
- Wille, N.** Om Udbredelsen af *Artemisia norvegica* Fr. Bot. Not. **1916**: 133-137. 1916.
- Zimmermann, C.** Contribuição para o estudo das diatomáceas dos estados unidos do Brazil. Broteria **11**: 149-164. D 1913.